

# THIN-AIR BULLETIN

NEW MEXICO CHAPTER      REGION IX      ALBUQUERQUE, NEW MEXICO

## ASHRAE

AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS

September 2004

### Meeting Humanity's Greatest Challenge

For the highlight dinner meeting of the year with the three organizations—NMFMN, ASHRAE, and NMAEE—we have the distinct honor of hearing from architect Edward Mazria, an internationally recognized architect who is on the forefront of sustainable buildings design. Ed is based in Santa Fe with Mazria Inc. Riskin Dzurec and has designed many commercial and institutional buildings in New Mexico, as well as nationwide. He is well known for his environmental approach to building design. Two of his more recent projects are the Genoveva Chavez Community Center in Santa Fe and the Frederick M. Hart addition to the UNM Law School.

What is the greatest challenge? How about survival of planet earth as we know it! His evaluation of the global warming problem, summarized in **It's the Architecture, Stupid!**, and also reported in **Metropolis Magazine**, succinctly points out the architect's role in global warming through building design. This role, in turn, affects how much energy is needed to sustain the operation of all our facilities we depend on and the resulting greenhouse gas emissions. Ed shows us that when you sum up all the U.S. buildings for which architects are responsible and their associated energy consumption, you have identified the most significant sector of greenhouse gas emissions. And it's not those gas-guzzling SUVs that everyone talks about! It's buildings! And who determines how well the buildings work? Architects!

*(Continued on page 2)*

### **PRESIDENT'S MESSAGE**

I would like to start the 2004-2005 ASHRAE year off by thanking all of you for your support of our New Mexico chapter over the past 50 years and most recently the Region IX Chapter Regional Conference (CRC) held here in Albuquerque this past August. If you were unable to be a part of this year's CRC let me tell you the New Mexico chapter celebrated its 50th year anniversary, in our chapter's usual fashion, with hard work and exceeding fun. The success of this year's CRC was directly related to the hard work of a number of people and we all thank them for their effort, time, and dedication with a special thanks to Bruce Davis who was the leader in organizing this event and making it such a great success.

This year I ask all of you for your continued help in making your ASHRAE chapter productive and useful. As many of you know ASHRAE is truly a grassroots organization, which only operates because of our ideas, volunteer efforts, and financial support. This chapter's board of governors has volunteered to both run the administrative affairs of the chapter but also to make the chapter a tool that would be of use to its members. I ask that you would please offer any thoughts or suggestions that you have which would assist us in making ASHRAE a useful instrument, which is worth your membership.

I look forward to being the president of our chapter in this 50<sup>th</sup> year of our chapter's existence and

*(Continued on page 2)*

## ***“Greatest Challenge” - Continued***

*(Continued from page 1)*

If you love the facilities you design, utilize, or manage and believe there is hope for lessening their impact on the earth, you will not want to miss this meeting. Come out to network with facilities managers, energy managers, building sys-

## **September Speaker Profile**

### **Edward Mazria**

Edward Mazria is an internationally recognized architect with a long and distinguished career. His architecture and planning projects span over a thirty year period and each employs a cutting-edge environmental approach to its design.

His published material includes technical papers, articles for professional magazines, and a number of published works, including *The Passive Solar Energy Book* published by Rodale Press. One of his most recent articles, **It's the Architecture, Stupid!**, outlines the impact of the architect's role on global warming through building design. This work was also reported in *Metropolis Magazine: Turning Down the Global Thermostat*. His buildings have been published in *Architecture*, *Progressive Architecture*, *Architectural Record*, *Architectural Digest*, *Process*, *Kenchiku Bunka*, *Public Garden*, *Solar Today*, *The Wall Street Journal*, *The New Mexico Business Journal*, and *The New York Times*.

Mr. Mazria has lectured extensively throughout the United States, Europe, Asia and Latin America, and has taught architecture at the University of New Mexico, University of Oregon, University of Colorado-Denver, UCLA, and University of Nebraska-Lincoln. He is the recipient of numerous awards including an AIA Design Award, AIA Design Innovation Award, Commercial Building Award from the Department of Energy, Landmark Designation Award from The Albuquerque

## ***Speaker Profile - Continued***

Conservation Association, Pioneer Award from the American Solar Energy Society and most recently, a 1999 Outstanding Planning Award from the American Planning Association for Tierra Contenta in Santa Fe, New Mexico. He was selected by the National Endowment for the Arts for its Design Arts Roundtable.

After receiving his Bachelors of Architecture Degree from Pratt Institute in 1963 he spent two years as an architect in the Peace Corps in Arequipa, Peru. He later worked with the firm of Edward Larabee Barnes in New York before beginning a teaching and research career at the University of New Mexico (UNM) in 1973. His architecture and energy research at both UNM and the University of Oregon established his leadership in the field of resource conservation and his innovative design methodology, developed at that time, is currently in use worldwide.

Since forming Mazria Inc. Odems Dzurec in 1978, he has completed a diverse number of award winning architecture and planning projects from the Mt. Airy Public Library in North Carolina, to the Genoveva Chavez Community Center, a 170,000 square foot sports complex in Santa Fe, New Mexico. He is the principal-in-charge of design for all firm projects.

## ***PRESIDENT'S MESSAGE - Continued***

*(Continued from page 1)*

with all of your help we can continue to make this a productive organization for us all.

David Graham

P.S. Please join us for the first meeting of the year on **Wednesday** September 15, which is a joint meeting with New Mexico Facility Managers Network and New Mexico Association of Energy Engineers.

## From the History Books

March 1973

Chapter Officers were:

|                  |               |
|------------------|---------------|
| President:       | Paul Arnold   |
| President-Elect: | Gary Mays     |
| Secretary:       | John Johnston |
| Treasurer:       | M. U. Grover  |

The speaker for the meeting was Richard Stone, Head of Research and development for the Wallace-Murray Corporation. He spoke about the chimney design as related to the engineer. He spoke about the theory and design of gas vents and chimney systems.



## Regional CRC in Albuquerque

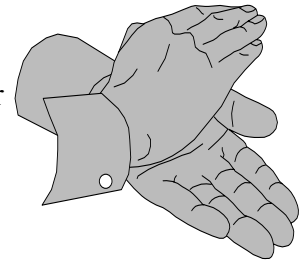
The New Mexico Chapter celebrated its 50<sup>th</sup> anniversary by sponsoring Region IX's Chapter Regional Conference on August 12 – 14. As expected, the CRC was outstanding in every respect. The golf tournament was held at Paa-ko Ridge, one of the most beautiful golf courses in the country. The course is so beautiful the players hardly noticed losing 10 or 15 balls during the round. The opening margarita party, hosted by the El Paso Chapter, was equally spectacular. The evening of fellowship and dancing at the El Pinto will be long remembered. The Rocky Mountain Chapter again sponsored the Orange Crush part, which was held at the Atomic Museum; an appropriate location given the strength of the orange crush. The technical sessions were very well attended with Victor Goldschmidt and Dan Int-Hout presenting fascinating seminars. The New Mexico Chapter was also honored by the presence of Society President Ron Vallort and his wife Carolyn, Society Vice-President Ron Jarnagin and his wife Linda, and Director of Technology Bruce Hunn from Society headquarters. Congratulations to co-chairs Bruce Davis and Ed Reyes and all of the great New Mexico Volunteers.

### 2004-2005 Chapter Officers

|                             |                 |
|-----------------------------|-----------------|
| Past-President:             | Jim Asperger    |
| Research Promotion Chair    |                 |
| President:                  | David Graham    |
| President-Elect:            | Jason Moorhead  |
| Programs Chair              |                 |
| Secretary:                  | Deward Stegall  |
| Treasurer:                  | Richard Reif    |
| Board Member #1:            | Dan Beckley     |
| Newsletter Chair            |                 |
| Board Member #2:            | Dan Harmeyer    |
| Chapter History :           | Gary Grange     |
| Region IX Historian         |                 |
| Membership Promotion Chair: | JR Sunderman    |
| Student Activities Chair:   | Charlie Scoggin |
| TEGA/Refrigeration Chair:   | Charles Steele  |

## Special Applause

The chapter would like to thank Jim Asperger for agreeing to once again chair Resource Promotion. This is traditionally the Past-President's job, and with the departure of Mike Dunavant to Amarillo we were short handed. Thanks for stepping up to help Jim!



## NM Chapter CRC Support

I want to thank the following manufacturer's representatives who either solicited donations from their manufacturer's or contributed to support the CRC:

- Boyd Engineering\*\*
- Burch Associates
- CAC
- Crest Mechanical\*\*
- Davis Engineered Equipment
- EEST
- Energy Control Inc.
- George Yardley Company
- The Johnston Company\*\*
- Norman S. Wright
- Socha Company
- Southwest Trane
- W.M. Carroll\*\*

The reps with \*\* had multiple donations. It was a great effort and resulted in 24 donations totaling over \$10,000. Here is the list of supporters and their contributions:

### \$1,000 Donors

**CAC, Inc./Siemens Building Technologies**

**Krueger**

### \$500 Donors

**Ajax Boilers, Inc.**

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Ed Fagyal

CRC Donations Chairman

## ANNUAL GOLF TOURNAMENT

This year's ASHRAE GOLF TOURNAMENT was held at Paako Ridge Golf Club on Thursday, August 12, 2004. The weather was perfect and the course was beautiful. A great time was had by all. We wish to thank the following hole sponsors for their participation:

Automated Controls

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Thanks again and we look forward to your continued support in the future.

Jason A. Moorhead

- SEPTEMBER MEETING -

SPEAKER:     **Ed Mazria**

TOPIC:         Meeting Humanity's Greatest Challenge

DATE:         **Wednesday September 15, 2004**

**Santa Fe Location:**     No Meeting

**Albuquerque Location:**   Petroleum Club  
  500 Marquette NW

TIME: 5:30 Social Hour

TECHNICAL SESSION: No tech session this month

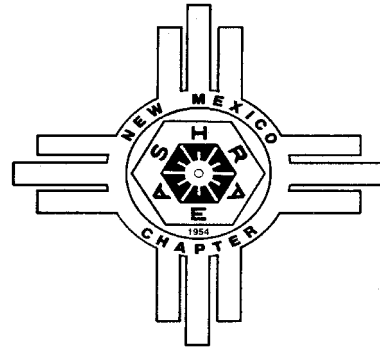
6:30 Dinner and Main Program

MENU: Chicken Sorpresa

COST: \$22.00

All cost are inclusive of tax and tip

RSVP:     Friday, September 10th, to Jason Moorhead at 505-821-2563 or  
**Jason@mechrep.com**



New Mexico Chapter of ASHRAE  
Dan Beckley  
The Johnston Company  
4600-B Hardware NE  
Albuquerque, New Mexico 87109  
505-343-8190  
505-343-9981 fax

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***Individual and corporate contributions advance industry research resulting in better products, installation methods, buildings and profits. Please invest in your future through ASHRAE RESEARCH.***

**Our chapter's thanks and society's gratitude are extended to the following 2003-2004 contributors:**

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